

CLAIMS

1. A radio communication terminal (40), comprising
 - a user input and output interface (18,19);
 - 5 - a terminal core (1) including a main terminal PCB (10) carrying electronic circuits (11) with data processing means for controlling terminal functions, and a system connector (50);
 - a cover connector (17) connected to the data processing means; and
 - a releasable cover (30) carrying an auxiliary functional member (32) and a
 - 10 terminal connector connected to the auxiliary functional member; wherein said cover connector and terminal connector are devised to provide communicative connection for the auxiliary functional member of an attached cover to the data processing means of the terminal core,
 - characterised in that** said terminal core comprises an additional keyboard PCB
 - 15 (54) supporting a terminal keyboard (19), connected to said electronic circuits (11), and wherein said cover connector (17) is disposed on said additional PCB.
2. The radio communication terminal as recited in claim 1, **characterised in that** the cooperating cover connector and terminal connector on one of said connectors
- 20 comprises conductive connection pads, whereas the other of said connectors comprises a biased resilient connector element (151,160).
3. The radio communication terminal as recited in claim 2, **characterised in that** said biased resilient connector element is a pogo-pin connector (150,151).
- 25 4. The radio communication terminal as recited in claim 3, **characterised in that** said biased resilient connector element is a leaf spring connector (160).
5. The radio communication terminal as recited in any of the previous claims 2 to
- 30 4, **characterised in that** in said conductive connection pads are devised in the cover connector disposed on the terminal core.
6. The radio communication terminal as recited in any of the previous claims, **characterised in that** in said cover comprises a shell member (30) devised to cover
- 35 a portion of a front face of the terminal core.
7. The radio communication terminal as recited in any of the previous claims, **characterised in that** in said cover comprises a shell member (20) devised to cover a portion of a rear face of the terminal core.

8. The radio communication terminal as recited in any of the previous claims, **characterised in** that said terminal core and said cover are provided with cooperating attaching means (36,27) for releasable attachment of the cover.

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9. A terminal core (1) for a radio communication terminal (40) having a user input and output interface (18,19), for use with a releasable cover (30) carrying an auxiliary functional member (32) and a terminal connector connected to the auxiliary functional member, said terminal core comprising

- 10 - a main terminal PCB (10) carrying electronic circuits (11) with data processing means for controlling terminal functions, and a system connector (50); and
- a cover connector (17) connected to the data processing means; wherein said cover connector and terminal connector are devised to provide communicative connection for the auxiliary functional member of an attached cover to the data processing
- 15 means of the terminal core,
characterised in that said terminal core comprises an additional keyboard PCB (54) supporting a terminal keyboard (19), connected to said electronic circuits (11), and wherein said cover connector (17) is disposed on said additional PCB.

- 20 10. The radio communication terminal as recited in claim 9, **characterised in** that the cover connector comprises conductive connection pads.